RUDRAPRASAD CONSULTANTS

Structural Engineers, Architects &
Project Management Consultants

To,

Date: 15-10-2019

ASSISTANT EXECUTIVE ENGINEER
BYATARAYANAPURA SUB DIVISION
BBMP
BANGALORE

Dear Sir,

Sub: M/s. Rudraprasad Consultants Services for the work of **Package2, includes 5 works of Rs.245.00 lakhs 1)Improvements to Roads and Drains at Mariyannapalya Church to Defence Layout and Dynasty Layout in Ward No:06 Byatarayanapura Sub Division. 2)Improvements to Drains and Asphalting to Roads at Balaji layout Near Railway Gate in Ward No:06 Byatarayanapura Sub Division. 3)Improvements to Drains and Asphalting to Roads at Vidyasagara Layout and Surrounding area in Ward No: 06 Byatarayanapura Sub Division. 4)Improvements to Drains and Asphalting to Roads at Bharathnagara saw mill Road in Ward No: 06 Byatarayanapura Sub Division. 5) Improvements to Drains and Asphalting to Roads at Shiradi Sai Nagar and Hegadenagar in Ward No:06 Byatarayanapura Sub Division.**

Ref: 1. Work Order No: BBMP/EE/BTP/WO/10/2018-19

2. Job code: 006-18-000058, 006-18-000060, 006-18-000061, 006-18-000062, 006-18-000063

We are here with forwarding to Mr. G. Venkatesh, No.623/A, 11th Main, HAL 2nd Stage, Indiranagar, Bangalore -560 002. Second and Part Bill duly verified and certified that the work is satisfactory and for a Gross Value of Rs. 1,24,82,577.53/- (Rs.One Crore Twenty Four Lakhs Eighty Two Thousand Five Hundred Seventy Seven and Fifty Three Paisa Only). First and Part bill for Rs. 77,86,875/- were previously submitted & the total bill amount submitted till date being Rs. 2,02,69,452.53/-(Rs.Two Crore Two lakhs Sixty Nine Thousand Four Hundred Fifty Two and Fifty Three Paisa Only).

Thanking you,

Yours faithfully,

For Rudraprasad Consultants

R. KARTHIK RECHAN B.E, M.S (U.S.A)
PRINCIPAL CONSULTANT
RUDRAPRASAD CONSULTANTS

RUDRAPRASAD CONSULTANTS BANGALORE

#3, 7th Main Malleswaram, Bangalore – 560003
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NAME OF WORK:- **Package2, includes 5 works of Rs.245.00 lakhs 1)Improvements to Roads and Drains at Mariyannapalya Church to Defence Layout and Dynasty Layout in Ward No:06 Byatarayanapura Sub Division. 2)Improvements to Drains and Asphalting to Roads at Balaji layout Near Railway Gate in Ward No:06 Byatarayanapura Sub Division. 3)Improvements to Drains and Asphalting to Roads at Vidyasagara Layout and Surrounding area in Ward No: 06 Byatarayanapura Sub Division. 4)Improvements to Drains and Asphalting to Roads at Bharathnagara saw mill Road in Ward No: 06 Byatarayanapura Sub Division. 5) Improvements to Drains and Asphalting to Roads at Shiradi Sai Nagar and Hegadenagar in Ward No:06 Byatarayanapura Sub Division.**

Name of Client : EXECUTIVE ENGINEER, BYATARAYANAPURA DIVISION, BBMP, BANGALORE

Contractor/ Agency: Mr. G. Venkatesh, No.623/A, 11th Main, HAL 2nd Stage, Indiranagar, Bangalore -560 002

Tender Contract Price: 2,41,83,097.99/-

Date Of Inspection : 15-10-19

Status Of Bill : Second & Part Bill

In the Presence of : a) Assistant Engineer (Byatarayanapura), BBMP, Bangalore

b) R. Karthik Rechan, Partner, M/S RUDRAPRASAD CONSULTANTS, BANGALORE

PMC COMPLIANCE REPORT		
Sl. No.	**Description of work**	**Comments/Observations**
1	Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neately dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification. and as per the directions of the Engineer-in-charge of the work .	Work done upto the Billed Quantity and the Quality is satisfactory

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2	Providing granite slabs of selected quality roughly dressed having a size of 7.5cms thick and fixed in cement mortar (1:6) includling fixing curing etc and as per specifications and as per the direction of Engineer in charge of the work	Work done upto the Billed Quantity and the Quality is satisfactory
3	Excavation for roadwork in soil with hydraulic excavator of 0.90 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to embankment location and complete as per specifications and as per the directions of the Engineer-in-charge of the work .	Work done upto the Billed Quantity and the Quality is satisfactory
4	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechaniqal mix plant carriage ' of mixed Material by tipper to site, laying in uniform layers with paver in sub- base/ base course on well prepared surface and compacting with vibratory roller to achieve the desired density.complete as per specifications. and as per specifications and as per the direction of Engineer in charge of the work.	Work done upto the Billed Quantity and the Quality is satisfactory
5	Providing and applying primer coat with SS bitumen emulsion on prepared surface of granular Base such as WBM WMM including clearing of road surface and spraying primer at the rate of 0.60 kglsqm using mechanical means complete as per specifications and as per the direction of Engineer in charge of the work.	Work done upto the Billed Quantity and the Quality is satisfactory

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ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
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6	Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatement including cost of all materials, labour, HOM of machineries complete as per specifications. and as per the direction of Engineer in charge of the work.	Work done upto the Billed Quantity and the Quality is satisfactory
7	Providing and applying tack coat using 80/100 grade bitumen (VG10) on prepared black topped surfaces at 2.5 Kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications and as per the direction of Engineer in charge of the work.	Work done upto the Billed Quantity and the Quality is satisfactory
8	Providing and laying bituminous concrete 40 mm compacted thickness with VG30 Bitumen grade using 40-60 HMP using crushed aggregates of grading II, premixed with bituminous binder at 6% of mix and filler, transporting the hot mix to work site, laying with a mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRT&H specification and as per the direction of Engineer in charge of the work.	Work done upto the Billed Quantity and the Quality is satisfactory
9	Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. and as per the direction of Engineer in charge of the work.	Work done upto the Billed Quantity and the Quality is satisfactory

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14	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. and as per the directions of the Engineer-in-charge of the work .	Work done upto the Billed Quantity and the Quality is satisfactory
11	Providing and removing centering, shuttering, strutting, propping etc, for columns, pillars, post and strts, square / rectanagular / polygon in plan including cost of all materials, labour complete as per specification. and as per the directions of the Engineer-in-charge of the work .	Work done upto the Billed Quantity and the Quality is satisfactory
13	Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. and as per the directions of the Engineer-in-charge of the work .	Work done upto the Billed Quantity and the Quality is satisfactory

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12	Providing and laying in position reinforced cement concrete of Design mix M20 with OPC cement @320kgs, with 20mm and down size graded granite metal course aggregates @0.69cum and fine aggregates @0.460 cum, with super plasticisers @ 3 liters confirming to Is 9103-1999 reafirme-2008 machine mixed, concrete laid in layers not exceeding 15 cms thick vibrated for all works in foundation for footings pedastaals retaining walls return walls (any thickness) including attached pilasters columnspillars posts struts buttresses bed blocks anchor blocks & plinths etc. including cost of all materials labour HOM of machinery curing complete but excluding cost of reinforcement as per specifications.	Work done upto the Billed Quantity and the Quality is satisfactory
15	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30 , with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. and as per the directions of the Engineer-in-charge of the work .	Work done upto the Billed Quantity and the Quality is satisfactory

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16	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift. and as per the directions of the Engineer-in-charge of the work .	Work done upto the Billed Quantity and the Quality is satisfactory
E1	Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications. and as per the directions of the Engineer-in-charge of the work .	Work done upto the Billed Quantity and the Quality is satisfactory

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